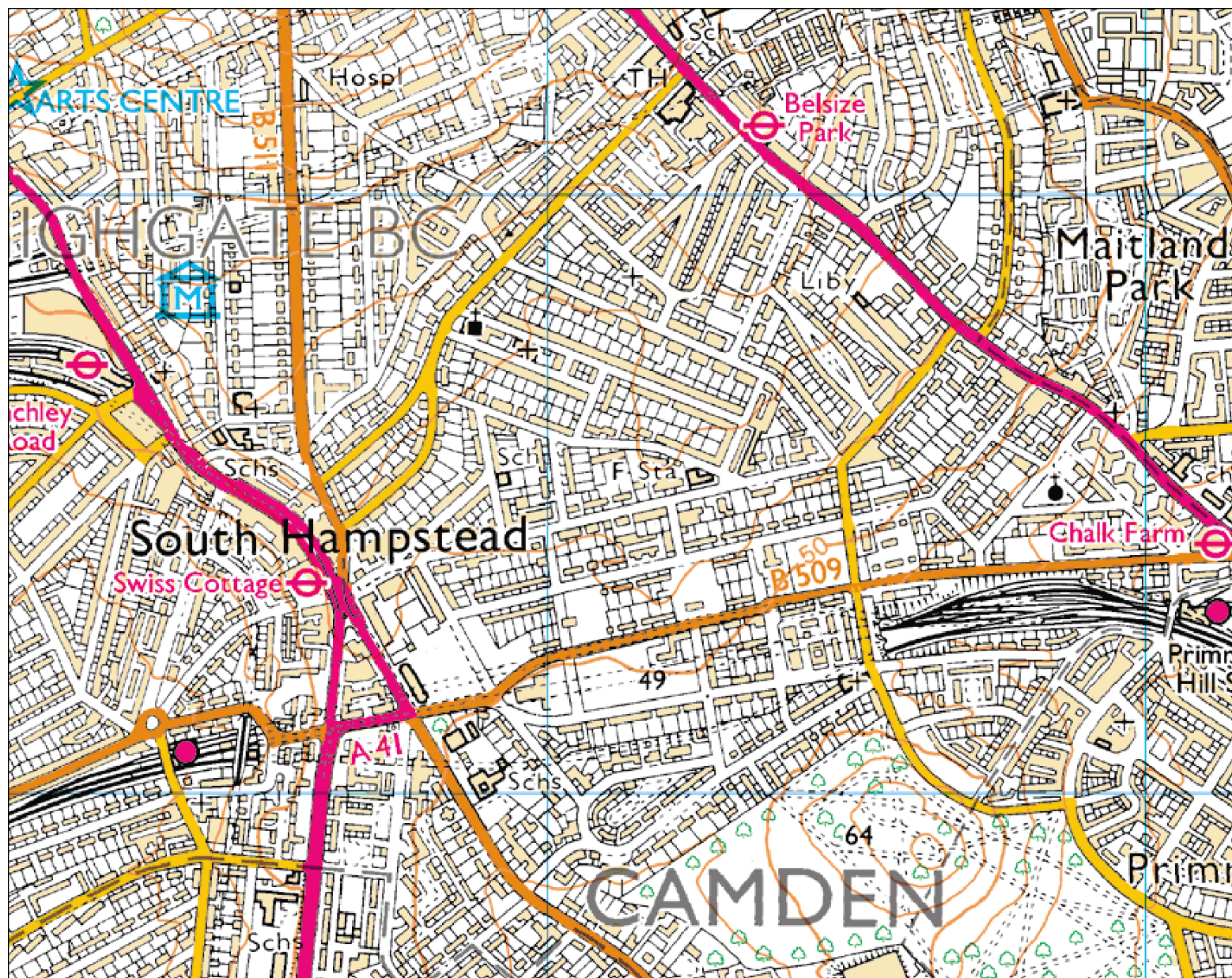


# Flood map centred on NW3 3HL Ref NE25223MR created on 5 October 2010



Scale 1:10,001



- Flood Map - Defences
- Areas Benefiting from Flood Defences
- Flood Map - Flood Storage Areas
- Flood Map - Flood Zone 3
- Flood Map - Flood Zone 2

## Flood Map Areas (assuming no defences)

**Flood Zone 3** shows the area that could be affected by flooding:

- from the sea with a 1 in 200 or greater chance of happening each year
- or from a river with a 1 in 100 or greater chance of happening each year.

**Flood Zone 2** shows the extent of an extreme flood from rivers or the sea with up to a 1 in 1000 chance of occurring each year.

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## APPENDIX D      LOCAL AUTHORITY DATA

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Strategic Flood Risk Assessment  
Source – Pathway – Receptor Matrix (Table 17)  
Flooding Incidents Map

London Borough of Camden (June 2003) Flooding Report  
Extent of Flooding in 1975 and 2002

'Lost Rivers' Map

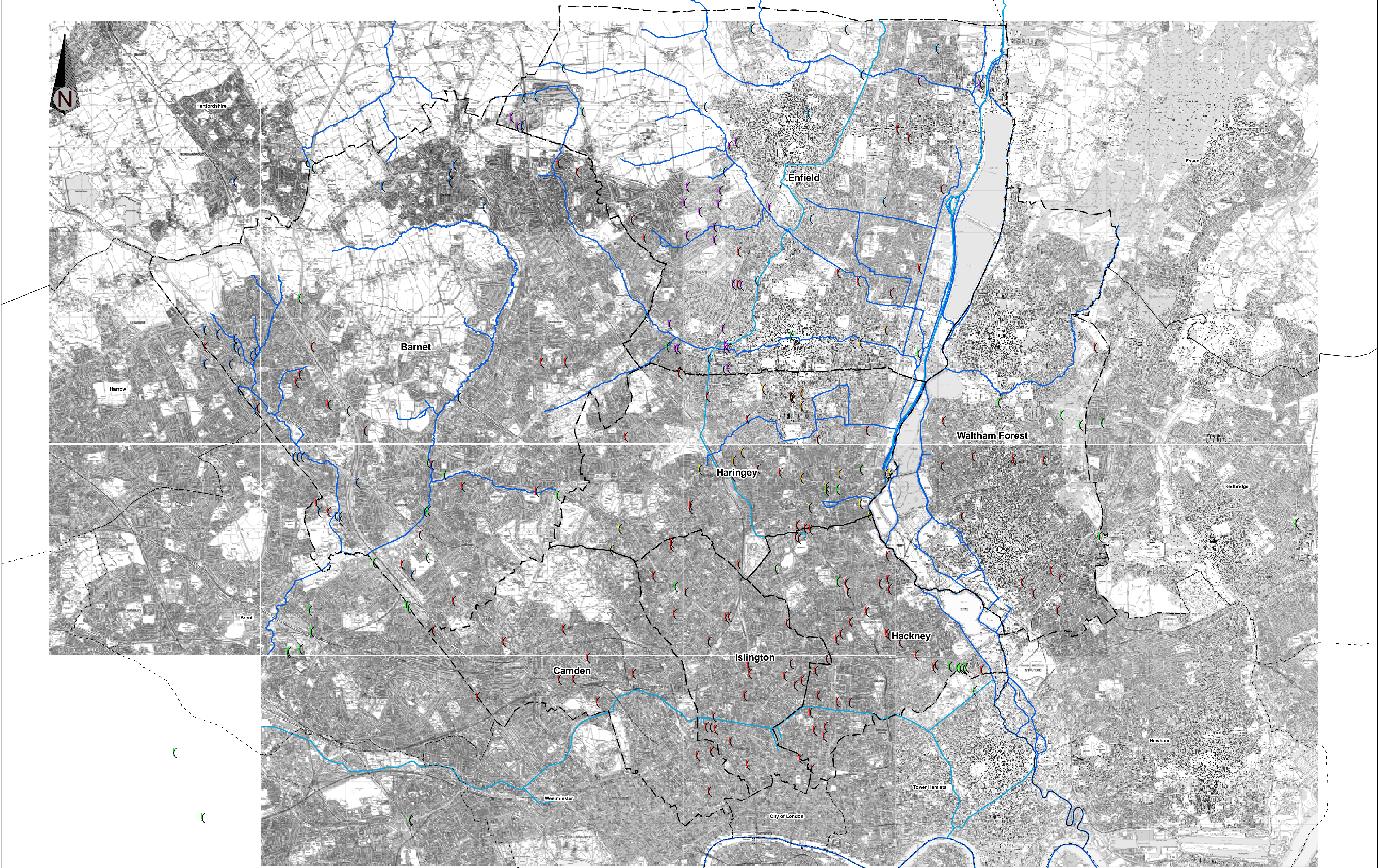




Table 17 - Source Pathway Receptor Model

Source	Pathway	Receptor	Potential Scale of Consequence							Assessment in SFRA	Comment
			Barnet	Camden	Enfield	Hackney	Haringey	Islington	Waltham Forest		
Fluvial Flooding from the River Lee and Tributaries	Inundation of floodplains / overtopping of flood defences / breaching of flood defences	Properties and infrastructure within the defined flood plain and in locality of Pathway	Medium	N / A	Large	Medium	Large	N / A	Large	Assessment of fluvial flood levels, flood risk zoning and defence conditions.	Potentially large consequence and risk of loss of life
Fluvial Flooding from the River Brent Tributaries	Inundation of floodplains / overtopping of flood defences / breaching of flood defences	Properties and infrastructure within the defined flood plain and in locality of Pathway	Large	N / A	N / A	N / A	N / A	N / A	N / A	Assessment of fluvial flood levels, flood risk zoning and defence conditions.	Potentially large consequence and risk of loss of life
Tidal Flooding from the River Lee	Overtopping of flood defences / breaching of flood defences / wave Action / ponding of surface water behind defences	Properties and infrastructure within the defined flood plain and in locality of Pathway	N / A	N / A	N / A	Medium	N / A	N / A	Medium	Low risk due to presence of local defences and Thames Barrier. Review of condition of flood defences to be undertaken.	Potentially large consequences and risk of loss of life. Low probability of occurrence due to flood defences including the Thames Barrier.
Surface Water / Combined Sewer Flooding / Overland Flow	Exceedance of sewer capacity Blockage of Pipework Tidelocking of outfalls	Properties and infrastructure in the locality of Pathway	Small	Medium	Very Small	Small	Very Small	Small	Small	Moderate flooding possible some further assessment of flood risk required. Study is limited by the information provided	Thames water have provided limited information on flood history. London Fire Brigade and Borough Council information on flood history
Groundwater Flooding	Rising Groundwater	Development in low lying areas or developments with basements Infrastructure, Tube Stations	Very Small	Very Small	Very Small	Very Small	Very Small	Very Small	Very Small	Groundwater levels obtained from EA. Comparison with ground levels and research into future trends in groundwater levels	Limited information on which to base assessment. Potential for flood risk to infrastructure.
Infrastructure Failure from Reservoirs / Canals (including the New River) / blocked Sewers / burst water mains	Overtopping of reservoir embankments Breach of reservoir or canal embankments Outlet failure	Watercourse, property and infrastructure downstream of infrastructure	Medium	Medium	Large	Large	Large	Medium	Large	Limited information available but low likelihood for flooding to occur due to enforced management of risks. Reservoir flood inundation plans are in the process of being produced as required by changes in legislation.	Limited information available on which to base assessment





Legend

- (

 Barnet Flooding Locations
- (

 Enfield Groundwater Flooding
- (

 Enfield Pluvial Flooding
- (

 London Fire Brigade Flood Calls
- (

 Transport For London Flooding
- (


 Emergency Planning Unit Flooding
- (

 Additional Haringey Flooding Incidents
- Borough Boundaries
- Canals
- Watercourses

All design, comments and recommendations are done so on behalf of Mouchel Parkman and no individual responsibility is taken or implied in anyway, by relieving and acting on this information you, the client or any third party, are accepting that no individual is personally liable in contract, tort or breach of statutory duty (including negligence).

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**Data Origin**  
Comprises of LB Barnet flood data, LB Enfield Groundwater flooding and Pluvial flood records, LB Haringey flood records, London Fire Brigade Flood calls (see Chapter 4 for data selection criteria), TfL flood records and EA canals and watercourse data.

		Client		North London Waste Plan			
		Project		North London Strategic Flood Risk Assessment			
Purpose		Drawing Title		Map 20: Flooding Incidents			
Information							
Drawn	SL	Checked	KR	Approved	FP		
Date	03/08/20	Date	03/08/20	Date	03/08/20		
Draft		Scale (at A1 size)		Issuing Office	Sutton Coldfield		
Issue	●	1:40,000		Telephone	0121 355 8949		
				Drawing Number	722586/020		
				Rev	B		



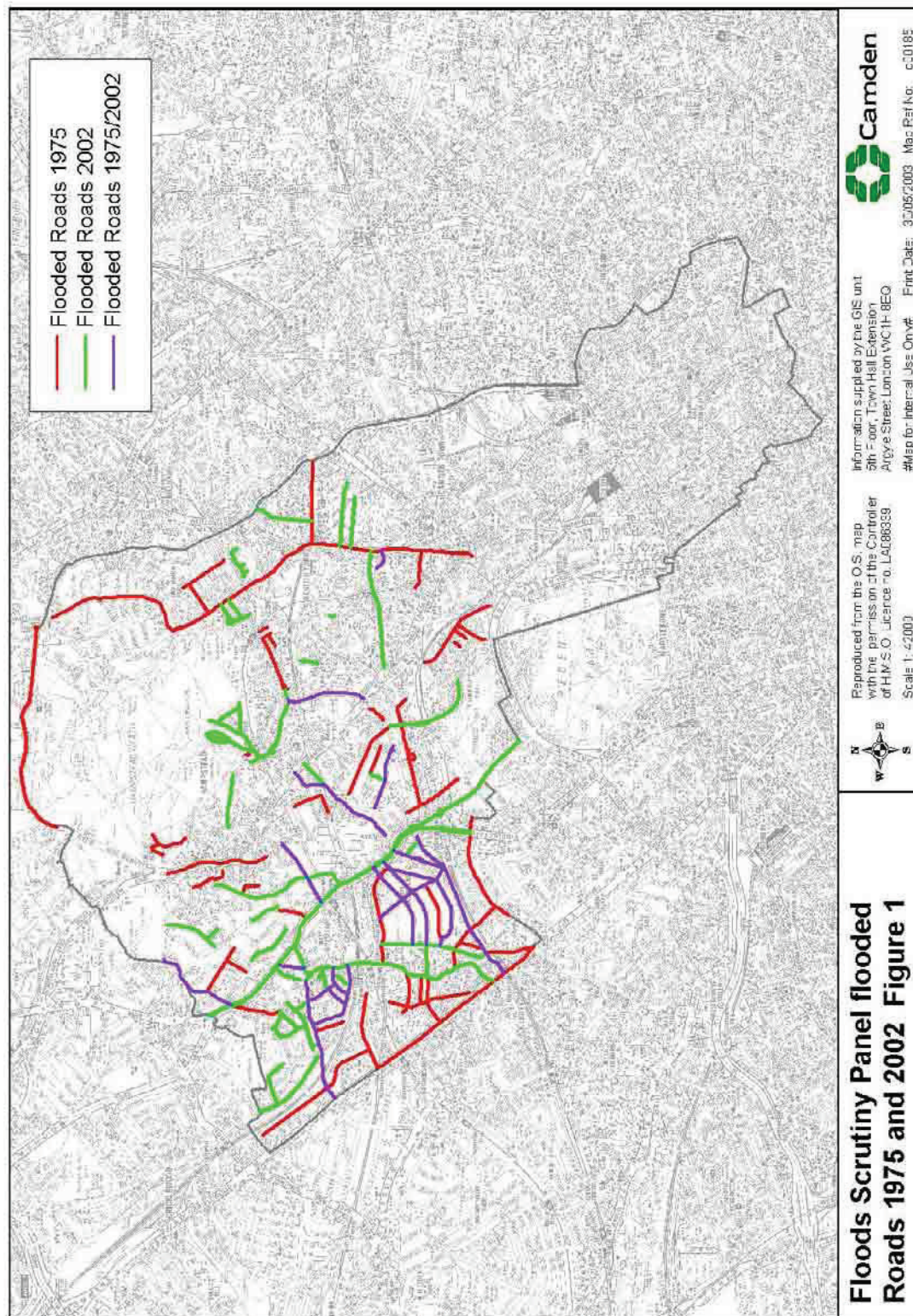


Figure 1 Map showing flooded roads and properties in 1975 and 2002







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## APPENDIX E      THAMES WATER SEWER PLANS

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The width of the displayed area is 500m and the centre of the map is located at OS coordinates 527250,184250

The position of the apparatus shown on this plan is given without obligation and warranty, and the accuracy cannot be guaranteed. Service pipes are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Thames Water for any error or omission. The actual position of mains and services must be verified and established on site before any works are undertaken.

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The width of the displayed area is 500m and the centre of the map is located at OS coordinates 527250,184750

The position of the apparatus shown on this plan is given without obligation and warranty, and the accuracy cannot be guaranteed. Service pipes are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Thames Water for any error or omission. The actual position of mains and services must be verified and established on site before any works are undertaken.


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# ALS Sewer Map Key

## Public Sewer Types (Operated & Maintained by Thames Water)

 **Foul:** A sewer designed to convey waste water from domestic and industrial sources to a treatment works.


 **Surface Water:** A sewer designed to convey surface water (e.g. rain water from roofs, yards and car parks) to rivers or watercourses.

 **Combined:** A sewer designed to convey both waste water and surface water from domestic and industrial sources to a treatment works.

 Trunk Surface Water


 Trunk Foul


 Storm Relief

 Trunk Combined

 Vent Pipe


 Bio-solids (Sludge)

 Proposed Thames Surface Water Sewer

 Proposed Thames Water Foul Sewer


 Gallery

 Foul Rising Main

 Surface Water Rising Main

 Combined Rising Main


 Sludge Rising Main


 Proposed Thames Water Rising Main


 Vacuum


## Sewer Fittings


A feature in a sewer that does not affect the flow in the pipe. Example: a vent is a fitting as the function of a vent is to release excess gas.

 Air Valve

 Dam Chase


 Fitting


 Meter


 Vent Column


## Operational Controls

A feature in a sewer that changes or diverts the flow in the sewer. Example: A hydrobrake limits the flow passing downstream.

 Control Valve


 Drop Pipe


 Ancillary


 Weir

## End Items

End symbols appear at the start or end of a sewer pipe. Examples: an Undefined End at the start of a sewer indicates that Thames Water has no knowledge of the position of the sewer upstream of that symbol, Outfall on a surface water sewer indicates that the pipe discharges into a stream or river.


 Outfall


 Undefined End


 Inlet


## Other Symbols

Symbols used on maps which do not fall under other general categories

 Public/Private Pumping Station


 Change of characteristic indicator (C.O.C.I.)


 Invert Level


 Summit


### Areas


Lines denoting areas of underground surveys, etc.

 Agreement


 Operational Site


 Chamber


 Tunnel


 Conduit Bridge


## Other Sewer Types (Not Operated or Maintained by Thames Water)


 Foul Sewer


 Surface Water Sewer

 Combined Sewer

 Gully

 Culverted Watercourse

 Proposed

 Abandoned Sewer

### Notes:

- 1) All levels associated with the plans are to Ordnance Datum Newlyn.
- 2) All measurements on the plans are metric.
- 3) Arrows (on gravity fed sewers) or flecks (on rising mains) indicate direction of flow.
- 4) Most private pipes are not shown on our plans, as in the past, this information has not been recorded.
- 5) 'na' or '0' on a manhole level indicates that data is unavailable.

- 6) The text appearing alongside a sewer line indicates the internal diameter of the pipe in millimetres. Text next to a manhole indicates the manhole reference number and should not be taken as a measurement. If you are unsure about any text or symbology present on the plan, please contact a member of Property Insight on 0118 925 1504.



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## APPENDIX F      GROUND INVESTIGATION TRIAL PIT LOCATIONS

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# HERTS & ESSEX SITE INVESTIGATIONS

The Old Post Office, Wellpond Green, Standon, Ware, Herts SG11 1NJ

Telephone: Ware (01920) 822233

Fax: Ware (01920) 822200

Appendix No. 1

Sheet No. 1

Job No. 9534

Date March 2010

Garden House, 32 Eton Avenue, London NW3 3HL

Site Plan

